Xiaojin Jiao

List of Publications by Year in descending order

35 papers	706 citations	516710 16 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	911 citing authors

#	Article	IF	Citations
1	Beam manipulating by metallic nano-optic lens containing nonlinear media. Optics Express, 2007, 15, 9541.	3.4	89
2	Localization of Near-Field Resonances in Bowtie Antennae: Influence of Adhesion Layers. Plasmonics, 2009, 4, 37-50.	3.4	76
3	Second-harmonic emission from sub-wavelength apertures: Effects of aperture symmetry and lattice arrangement. Optics Express, 2007, 15, 13894.	3.4	59
4	Fabry?Pï¿½rot-like phenomenon in the surface plasmons resonant transmission of metallic gratings with very narrow slits. Applied Physics B: Lasers and Optics, 2005, 80, 301-305.	2.2	50
5	UV Fluorescence Lifetime Modification by Aluminum Nanoapertures. ACS Photonics, 2014, 1, 1270-1277.	6.6	42
6	Optical antenna design for fluorescence enhancement in the ultraviolet. Optics Express, 2012, 20, 29909.	3.4	40
7	Optical bistability in subwavelength metallic grating coated by nonlinear material. Optics Express, 2007, 15, 12368.	3.4	38
8	Third-harmonic generation from arrays of sub-wavelength metal apertures. Optics Express, 2009, 17, 23582.	3.4	36
9	Plasmonic Interaction Between Silver Nano-Cubes and a Silver Ground Plane Studied by Surface-Enhanced Raman Scattering. Plasmonics, 2011, 6, 515-519.	3.4	35
10	Beam focusing by metallic nano-slit array containing nonlinear material. Applied Physics B: Lasers and Optics, 2008, 90, 97-99.	2.2	33
11	Plasmonic Coupling Effect in Ag Nanocapâ€“Nanohole Pairs for Surface-Enhanced Raman Scattering. Plasmonics, 2013, 8, 225-231.	3.4	25
12	UV fluorescence enhancement by Al and Mg nanoapertures. Journal Physics D: Applied Physics, 2015, 48, 184007.	2.8	25
13	Polarization properties of subwavelength metallic gratings in visible light band. Applied Physics B: Lasers and Optics, 2006, 85, 139-143.	2.2	24
14	Numerical simulation of nanolithography with the subwavelength metallic grating waveguide structure. Optics Express, 2006, 14, 4850.	3.4	20
15	Nonlinear optical properties of silver colloidal solution by in situ synthesis technique. Current Applied Physics, 2008, 8, 13-17.	2.4	20
16	Mg thin films with Al seed layers for UV plasmonics. Journal Physics D: Applied Physics, 2015, 48, 184009.	2.8	18
17	Effect of Ag Nanoparticles on Optical Properties of R6G Doped PMMA Films. Chinese Physics Letters, 2007, 24, 954-956.	3.3	13
18	Investigation of the sensitivity of H-shaped nano-grating surface plasmon resonance biosensors using rigorous coupled wave analysis. Applied Physics A: Materials Science and Processing, 2007, 89, 407-411.	2.3	9

#	Article	IF	Citations
19	Polarization Multiplexed Optical Bullseye Antennas. Plasmonics, 2012, 7, 39-46.	3.4	9
20	Analysis of novel optical properties of subwavelength double-layers metallic grating. Applied Physics B: Lasers and Optics, 2005, 81, 787-790.	2.2	8
21	Fluorescence Enhancement of a Polymer Planar Waveguide Doped with Rhodamine B and Ag Nanoparticles. Chinese Physics Letters, 2006, 23, 2848-2851.	3.3	7
22	Optical reflector and high Q filter based on two-dimensional photonic-crystal waveguide. Optics Communications, 2004, 236, 101-107.	2.1	6
23	Extraordinary Transmission through Metallic Grating with Subwavelength Slits for S-Polarization Illumination. Chinese Physics Letters, 2007, 24, 1600-1602.	3.3	6
24	Investigation of enhanced and suppressed optical transmission through a cupped surface metallic grating structure. Optics Express, 2006, 14, 5657.	3.4	5
25	Transmission enhancement of Ag nanoparticle aggregates in azo-polymer films. Applied Physics B: Lasers and Optics, 2006, 84, 239-241.	2.2	5
26	Numerical Investigation of Surface Plasmons Associated Subwavelength Optical Single-Pass Effect. Chinese Physics Letters, 2007, 24, 2922-2925.	3.3	3
27	Super-resolution near-field imaging on microfluidic structure. , 2005, 5635, 1.		1
28	Nanolithography Structure Using Surface Plasmon Interference with a Planar Silver Lens. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2005, 1, 377-380.	0.4	1
29	A Planar Metallic Collimator Based on Controlling Surface Plasmons's Phase. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2005, 1, 369-371.	0.4	1
30	Simulation of super resolution near-field structure (super-RENS) using finite differential time domain (FDTD) method. , 2002, 4930, 503.		0
31	Numerical analysis of the surface plasmon polaritons in the super-resolution near-field structure. , 2005, , .		0
32	Optical reflector based on two-dimensional photonic crystal constructed by a square lattice of air holes. , 2005, 5644, 573.		0
33	Super-Resolution Imaging on Microfluidic Super-Resolution Near-Field Structure. Chinese Physics Letters, 2005, 22, 1625-1627.	3.3	0
34	Reflection of Surface Plasmon Polaritons by a Corner Reflector of Negative Index Materials. Optical Review, 2006, 13, 213-214.	2.0	0
35	UV fluorescence lifetime modification by aluminum and magnesium nanoapertures. Proceedings of SPIE, 2016, , .	0.8	0